

no persons are required to respond to a collection of infortion

PTC/SB/08A (10-86) ved for use through 10/31/99, OMB 0651-0031 , Office: U.S. DEPARTMENT OF COMMERCE

i uniosa it contains a valid OMB control number.

Substitute for form 1449A/PTO

Under the Paperwork Reduction Act of 15--

#### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of Sheet

Complete If Known					
Application Number	09/249 189				
Filing Date	February 12 1999				
First Named Inventor	John C. Rufino				
Group Art Unit	3733				
Examiner Name	· Stephen R. Crow				
Attorney Docket Number	UN-9				

	U.S. PATENT DOCUMENTS								
Examiner Initials	Cite No.	U.S. Patent Number	Code <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Citod Document MA-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
N		219.43	9	Blend	9/9/1879	0 =			
Ī		1.909.19		Sachs	5/16/33	6.7			
		2,603,48		Hughes	7/15/52	.40 =			
		2.826.19		Mangas	3/11/58	v. 2			
		2.892.45		Hutton	6/30/59	585			
		3,316,89		Brown	5/2/67	20			
		3.432.16		Deeks	3/11/69	27			
		3,475.02		Ruegsegger	10/28/69				
		3.566.86	1 1	Weiss	3/2/71				
		3,713,43		Knutsen	1/30/73	,			
		3.756.59		Hague	9/4/73				
		3,759,51		Zinkin	9/18/73				
		3,824,99		Soderberg, Sr.	7/23/74				
		3,970,30		McFee	7/20/76				
		.4.053,17		Chase Sr.	10/11/77				
		4.185.62		Swenson	1/29/80				
		4,188,03		Hooper	2/12/80				
		4,379,56		Titcomb	4/12/83				
V		4,456,27		Bortolin	6/26/84	(			
$\mathcal{A}$	/	4.496.14		DeCloux	1/29/85				

	FOREIGN PATENT DOCUMENTS									
Ci			Foreign Patent Do	cument	Name of Patentee or	Date of Publication of	Pages, Columns, Lines,			
Examiner Initials		Office	Number <sup>4</sup>	Kind Code <sup>s</sup> (# known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	79		
								·		
	**********	*********	***************************************		***************************************		•••••••••			
····			<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>		<del></del>	·····	***************************************	······		
·	**********		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		***************************************		······································			
		**********	******************************		***************************************					
							<u></u>			
			***************************************				***************************************			
			*****************************			,	***************************************	ļ		
			*************************		***************************************			<u> </u>		

		<u> </u>	
Examiner		Date	
Signature	MMm	Considered	12-ナーバン
3	MILION		12-6-07

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>quot;EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number, 2 See attached Kinds of U.S. Patent Documents, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of ).

PTC/SB/08A (10-96) oved for use through 10/31/99, OMB 0651-0031 yk Office: U.S. DEPARTMENT OF COMMERCE no persons are required to respond to a collection of infor. in unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

#### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of Sheet

Complete If Known					
Application Number 09/249.189					
Filing Date	February 12, 1999				
First Named Inventor	John C. Rufino				
Group Art Unit	3733				
Examiner Name	Stephen R. Crow				
Attorney Docket Number	UN-9				

	U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.1	U.S. Pater Number	Na Code <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Fublication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
AZ		4.509.7	42	Cones	4/9/85			
Λ		4,555.1	09	Hartmann	11/25/85			
		4.561.3	18	Schirrmacher	12/31/85	•••••••••••••••••••••••••••••••••••••••		
		4.592.5	44	Smith	6/3/86	•••••		
		4,632,3	86	Beech	12/30/86	•••••••••••••••••••••••••••••••••••••••		
	•••••	.4.,643.,4	19	Hy.de	2/17/87	••••••		
	·	4,645,2	00	Hix	2/24/87	······································		
				Rodgers	7./14/87	••••••••••••••••••••••••••••••		
	·	4,685,6	66	DeCloux	8/11/87	*************************************		
		.4.,708.,3		Potts		***************************************		
	,~~~~	4,709,9		Grinblat	12/1/87			
		4.720.0		Del Mar	1/19/88			
	*******	4.,733.,8		Lan		***************************************		
		4.,7.79.,8	1 1	Y.ang		•••••••••••		
		4,786.0		Geschwender				
		4,786,0		Tang	11/22/88			
		.4,786.,0		Tang	11/22/88	***************************************		
		4,850,5		Dalehout	7/25/89	***************************************		
V.		.4.869.4		Lambert Sr.	9/26/89	••••••••••••		
IR		4.900.0		Rodgers Jr.	2/13/90			

	FOREIGN PATENT DOCUMENTS									
Examiner	aminer Cite		Foreign Patent Document		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant			
initials		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code* (# known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Pessages or Relevant Figures Appear	T		
						·		ļ		
	••••••	ļ	*********************		***************************************		***************************************	ļ		
		<b>  </b>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					·		
·		<del>  </del>								
	••••••	ł			••••••			·		
		<del>  </del>	<del></del>			ļ		/		
			**********************		***************************************	····		ļ		
		······································	****************************	***********	***************************************			1		
	••••••	<del> </del>	******************************		***************************************			ł		

Examiner	1.1.	Date
	IM IAM	
Signature		Considered   / - 5 - //G
[ 0.30.0.0		

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the inclinidual case. Any cumments on the amount of time you are required to complete this form should be sent to the Chief information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



<sup>&</sup>quot;EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant,

<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

PTC/SB/08A (10-96) oved for use through 10/31/99, OMB 0651-0031 t Office: U.S. DEPARTMENT OF COMMERCE 

Substitute for form 1449A/PTO

#### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

3 of Sheet

Complete If Known					
Application Number 09/249 189					
Filing Date	February 12 1999				
First Named Inventor	John C. Rufino				
Group Art Unit	3733				
Examiner Name	Stephen R. Crow				
Attorney Docket Number	UN-9				

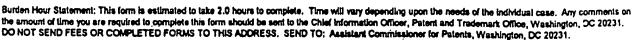
	U.S. PATENT DOCUMENTS								
Examiner Initials	Cite No.1	U.S. Paten	(# known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DO-YYYY	Pages, Columns, Lines, Where Relevent Passages or Relevant Figures Appear			
A	-	4.940.2	33	Bull Bull	7/10/90				
1		4.949.9	54	Hix	8/21/90	***************************************			
111		4,949.9	93	Stark	8/21/90				
		4.,951.,9	4.2	Walden					
		4,989,8	5.7	Kuo	2/5/91	•••••			
		.5,000,4	42	Dalebout	3/19/91				
		5.,000,.4	43	Dalebout					
		5,,039,,0	87	Kuo		•••••••••••••••••••••••••••••••••••••••			
		5,039,0	88	Shifferaw	8/13/91				
		5.,040.,.7	86	Jau		•••••			
		-5,048,8	21	Kuo-Liang	9/17/91				
		5.,062,6	27	Bingham					
		5.,078.,3		Chen					
		5.,131.,8		Rogers Jr. Robards Ir		***************************************			
		5.135.4			0/4/94	······································			
		5.149.3		Croft	9/22/92				
-		5.163.8		Stearns	11/17/92	•			
<del>]</del> / -		_5.186.6		Rennex	2/16/93				
Ψ		5.195.9		Fencel	3/23/93	•••••			
DL	1	5,238,4	62	Cinke	8/24/93				

	FOREIGN PATENT DOCUMENTS							
Examiner	Cite		Foreign Patent Doc		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
initials'	No.1	Office	Number <sup>4</sup>	Kind Code <sup>s</sup> (# known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T
	***********						*************	
			************************		,		************************************	ļ
							***********	
ļ			*		·····		•	
			) • • • • • • • • • • • • • • • • • • •		***************************************		•••••••••••••••••••••••••••••••••••••••	
					·		***************************************	
	• • • • • • • • • • • • • • • • • • • •	••••••		l l		1		1
					***************************************		••••••••••••	1

Examiner Date Signature Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number, 2 See attached Kinds of U.S. Patent Documents, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 9 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 K possible. Applicant is to place a check mark here if English language Translation is attached.





Under the Paperwork Reduction Act of

PTC/SB/08A (10-96)

Peterd and Tre

Peterd and Tre

A Unless it contains a valid OMB control number.

Substitute for form 1449APTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	<u></u>	of	7
	4 .		•

Complete If Kn wn		
Application Number	09/249,189	
Filing Date	February 12, 1999	
First Named Inventor	John C. Rufino	
Group Art Unit	3733	
Examiner Name	Stephen R Crow	
Attorney Docket Number	UN-9	

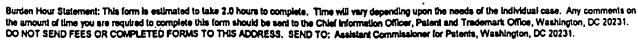
			U.S. PATENT DOC	UMENTS	
Examiner		U.S. Patent Document	Name of Patentee or Applicant	Date of Publication of Cited Dosument	Pages, Columns, Lines, Where Relevant Passages or Relevant
nitials'	No.1	Number (# Mown)	of Cited Document	MM-00-YYYY	Figures Appear
Al		5,242,343	Miller	9/7/93	
1		5,279,529	Eschenbach	1/18/94	
7		5,290,211	Stearns	3/1/94	
	***********	5,295,928	Rennex	3/22/94	
	**********	5,299,993	Habing	4/5/94	
		5,320,588	Wanzer	6/14/94	
<u> </u>		5,346,447	Stearns	9/13/94	,
<u> </u>	***************************************	5,352,169	Eschenbach	10/4/94	
1 1	•••••••	5.383.829	Miller	1/24/95	
		5,401,226	Stearns	3/28/95	
	*********	5,403,252	Leon	4/4/95	
	**********	5,403,255	Johnston	4/4/95	
		5.419.747	Piaget	5/30/95	
		5,423,729	Eschenbach	6/13/95	
1		5.496.235	Stevens	3/5/96	
- I		5.499.956	Habing	3/19/96	
		5.518.473	Miller	5/21/96	
		5.527.246	Rodgers Jr.	6/18/96	
W	······································	5.529.554	Eschenbach	6/25/96	
N		5.529.555	Rodgers Jr.	6/25/96	

	FOREIGN PATENT DOCUMENTS							
			Foreign Patent Do	cument	Name of Petentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Examiner Initials	No.1	Office	Number <sup>4</sup>	Kind Code <sup>a</sup> (# known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Τ°
					-			
								1 1
			)   <del>                              </del>					
			*************************					
	· • • • • • • • • • • • • • • • • • • •	<b></b>	***************************************		***************************************		, <b>************************************</b>	
					***************************************			

	·		
Examiner	10 -	Date	12-6-14/
Signature	Mon	Considered	2 - K) U9

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant,

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>4</sup> Applicant is to place a check mark here if English language Translation is attached.



PTC/SB/08A (10-86) yed for use through 10/31/99, OMB 0651-0031 & Office: U.S. DEPARTMENT OF COMMERCE Petent and Tred 

Substitute for form 1449A/PT

#### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

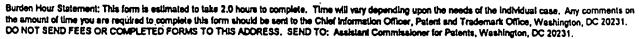
Complete If Known		
Application, Number	09/249.189	
Filing Date	February 12, 1999	
First Named Inventor	John C. Rubino	
Group Art Unit	3733	
Examiner Name	Stephen R. Crow	
Attorney Docket Number	UN-9	

			•	U.S. PATENT DOC	UMENT3	
Examiner Cit		U.S. Patent Doc	Inemu	Name of Palentee or Applicant	Date of Psyclication of	Pages, Columns, Lines, Where Relevant
ritlais'	Cite No. <sup>1</sup>	Number :	Anown)	` of Cited Document	Cited Document MM-DD-YYYY	Pesseges or Relevant Figures Appear
N		5,540,637		Rodgers Jr. ·	7/30/96	
		.5.549.526.		Rodgers Jr.	8/27/96	•••••••••••••••
		5.549.529	.11.	Rasmussen	8/27/96	
		.5.562.574.		Miller	10/8/96	
		5,573,480		Rodgers Jr.	11/12/96	•••••••
		5,577,985		Miller	1 11/0//0/	······································
		.5.591,107	1	Rodgers Jr.	1/7/97	
	******	5,593,371	. [ ] .	Rodgers Jr.		
		5.593.372		Rodgers Ir	1/14/97	
		5.,595.,553.		Rodgers Jr.	1/21/97	**************************************
		5 611 756		Miller	3/18/97	
		5,611,757		Rodgers Jr.	3/18/97	······································
		5.,611.,758.	.  .	Rodgers Jr.		
		5.,616,.106.		AbelbeckRodgers Jr.	4/1/97	************************************
		5,637,058		Rodgers Jr.		***************************************
		5,653,662		Rodgers Jr.	8/5/97	
		5,658,227		Stearns	8/19/97	
		5.685.333		Skaryd	11/11/97	**************************************
<u> </u>		5,685,804		Whan-Tong	11/11/97	***************************************
ar		5,690,589	1	Rodgers, Jr.	11/25/97	

I			Foreign Patent Do	curnent	Name of Patentee or	Date of Publication of	Peges, Columns, Lines,	
Examiner Initials	Cite No.1	Office	Number <sup>4</sup>	Kind Code <sup>a</sup> (# Ancum)	Applicant of Cited Document	Ohed Desument	Where Relevant Passages or Relevant Figures Appass	T
		<b>  </b> -						
					·····	***************************************	***************************************	ļ
···········	<del>~~~~</del>						***************************************	
						···		
	************		**************************		***************************************	••••	•••••••••••••••••	<del> </del>
	*********				·		•	1
	······································		,		**************************************			1
	*********	<b> </b>	***************************************		***************************************		,	ļ
1		<u> </u>	·····			· .		<u></u>
Exami	ner		4 4	<del></del>		Date	1-1-14	

"EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant,

<sup>1</sup> Unique citation designation number, 2 See attached Kinds of U.S. Patent Documents, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. § Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST, 16 if possible. Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (10-96)
Towed for use through 10/31/99, CMB 0651-0031
Patent and Triple (Inc.)
Patent

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 6 of 7

Complete If Known		
Application Number	09/249-189	
Filing Date February 12, 1999		
First Named Inventor John C. Rufino		
Group Art Unit	3733	
Examiner Name	Stephen R. Crow	
Attorney Docket Number	UN-9	

			U.S. PATENT DOC	UMENTS	
Examiner Initials*	Cite No.1	U.S. Patent Document  Number Kind Code  (# Anown)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Peges, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
S		5.692.994	Eschenbach	12/2/97	
, <b>1</b>		5,692,997	Stearns	12/2/97	••••••
		5,707,321	Maresh	1/13/98	
		5.733.227	Lee	3/31/98	
		5,735,774	Maresh	4/7/98	
		5,738,614	Rodgers, Jr.	4/14/98	
		5.741.205	Doll	4/21/98	•
		5,746,683	Lee	5/5/98	
		5.755.642	Miller	5/26/98	
		5.755.643	Sands	5/26/98	
		5.755.645	Miller	5/26/98	
		5.759.135	Chen	6/2/98	
		5,759,136	Chen	6/2/98	
		-5,762,588	Chen	6/9/98	***************************************
		5,766,113	Rodgers,Jr.	6/16/98	
		5,769,760	Lin et al.	6/23/98	
		5,772,558	Rodgers, Jr.	6/30/98	
		5.779.598	Lee	7/14/98	
A.		5,779,599	Chen	7/14/98	
29		5,782,722	Sands	7/21/98	

				FOR	EIGN PATENT DOCUMEN	TS		
#lass	Cho.		Foreign Patent Do	curnent	Name of Petentee or	Date of Publication of	Pages, Columns, Lines, Where Relevent	
Examiner Initials		Offices	Number <sup>4</sup>	Kind Code <sup>s</sup> (# known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	79
			***************************************		***************************************		· Bilandininin milananananan papiri paka ana mpiranda kana di Sheri e e e e e e	
			***************************************		***************************************		•••••	ļ
					***************************************		<del></del>	,, <u>,</u>
.~~~~			······································		***************************************		- <del></del>	
***************************************	••••••		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			***************************************	***************************************	
			<del></del>		-		<del></del>	
			· · · · · · · · · · · · · · · · · · ·				***************************************	
			***********************		······	]		
		L				1		

Examiner		Date	_
	· no	1 / 2	
Signature	MO I	Considered   / _2	-1-011
3.8		10011010101	009
		10	00/

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the Indication of the year of the raign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

Patent and Track

PTO/SB/08A (1C-96)
and for use through 10/31/99, OMB 0651-0031
!Office: U.S. DEPARTMENT OF COMMERCE
unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 15s. To persons are required to respond to a collection of informs

•		
<b>INFORMATIO</b>	N D	ISCLOSURE
STATEMENT		

(use as many sheets as necessary)

Sheet	7	of	

Complete if Known						
Application Number	09/249,189					
Filling Data	February 12, 1999					
First Named Inventor	John C. Rufino					
Group Art Unit	3733					
Examiner Name	Stephen R. Crow					
Attorney Docket Number	บท-9					

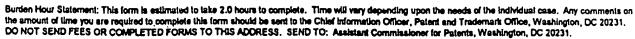
					U.S. PATENT DOC	UMENTS	
xaminer nitials	Cite No.1	U.S. Pater Number	nt Docum Kind ( # &xx	1400	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Desument MM-DO-YYYY	Pages, Columns, Lines, Where Relevant Passages or Retovant Figures Appear
M		5,788,	609		Miller	8/4/98	
اسالمر		5,788,			Eschenbach	8/4/98	
1		5,792,0			Maresh	8/11/98	
		5,792,0		•••••	Gordon	8/11/98	•••••••••••••••••••••••••••••••••••••••
<b>-</b>	•••••	5,800,			Yu	9/1/98	
1	••••••	5,803,	871	·····†	Stearns	9/8/98	
V		5,803,		······I	Chang	9/8/98	
Del	********	5,813,			Chang Rodgers, Jr.	9/29/98	•
	**********	***************************************	1		***************************************		
				·····			
						*	
							***************************************
							***************************************
							**************************************
		,		]			***************************************

	FOREIGN PATENT DOCUMENTS										
Examiner Cite	Foreign Patent Document  Kind Code <sup>3</sup>		Name of Patentee or	Cate of Publication of Cited Document	Assess transactif						
initials'	No.¹	Office	Number <sup>4</sup>	(if known)	Applicant of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear	79			
							*************************************				
			************************		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•••••	ļ			
		ļ	······································		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<b></b>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
			·····		<del></del>						
	***********	······································	***************************************		***************************************		••••••••••••••••••••••••••••••••••••••	ļ			
		·	***************************************		**************************************		***************************************				
		1 1		1 1			•••••••	1			
		l {						1			
				l l							

	· · · · /		
Examiner	. 112	Date /2 /- /	//
Signature	My	Considered / 1 -6 -0)	9

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (10-96)
Approved for use through 10/31/99, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 5

Complete if Known					
Application Number	09/740,445	A			
Filing Date	Dec 19, 2000	.:			
First Named Inventor	John C. Rufino				
Group Art Unil	John C. Rufino 3764				
Examiner Name	Stephen R. Crow	<u></u>			
Attorney Docket Number	UN-9-A	3			

			U.S. PATENT DOCL	JMENTS	
xaminer nitials	Cite No.1	U.S. Patent Occument  Kind Code  Number (# known)	Name of Patentee or Applicant of Cited Document	Oste of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
N	-	5,971,892	Lee	10/26/99	
7	-	5,743,832	Sands & Kuo	04/28/98	
		5,749,809	Lin	05/12/98	
		5,792,028	Jarvie -	08/11/98	
$\neg \neg$		5.836.854	Kuo	11/17/98	
		5.868.650	Wu	02/09/99	·
		6 123 650	Birrell	09/26/00	
		6,126,573	Eschenbach	10/03/00	
		6.126.574	Stearns & Maresh	10/03/00	
		6.146.313	Whan-Tong, et al	11/14/00	
		6,146,314	Lee	11/14/00	
$\bot$		6,149,551	Pyles, et al	11/21/00	<del></del>
		6,159,132	Chang	12/12/00	
$\dashv$		6.165.107	Birrell	12/26/00	
		6.171,215 BL	Stearns & Maresh	01/09/01	
		6,171,217 Bl	Cutler	01/09/01	
-		6,190,289 Bl	Pyles, et al	02/20/01	
-1/-		6,090,014	Eschenbach	08/18/98	
		5,795,268	Husted	06/22/99	
as	<b>T</b>	15.913.751	Eschenbach	100/22/33 1	

				FORE	GN PATENT DOCUMEN	TS		
		Foreign Patent Document		cument	Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	1
Examiner Initials	Cite No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Т6
								┼-
						<del> </del>		+
		╁├				-		T
		<del>                                     </del>						I
								┦_
		1				<del>-  </del>	<del></del>	+-
		+		<del></del>				+
		++		<del></del>			···	$\top$

Evaminar	1		l Date	1- / 11
Examiner	11/6		0	17 1 - 119
Signature		) /	Considered	12-50/
( 0.3.,0.2.2				

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 2023; DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 2023;



<sup>&#</sup>x27;EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-tetter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>4</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid QMB control number.

Substitute for form 1449A/PTO

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheels as necessary)

Sheet 2 of 5

Complete if Known							
Application Number	09/740,445						
Filing Date	Dec 19, 2000						
First Named Inventor	John C. Rufino						
Group Art Unit	3764						
Examiner Name	Stephen R. Crow						
Attorney Docket Number	UN-9-A						

				U.S. PATENT DOCL	IMENTS	
xaminer nitials'	Cite No.1	U.S. Patent	Kind Code (# known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Retevant Passages or Retevant Figures Appear
N		5,916,0	65	McBride & Chen	06/29/99	
$\Lambda$		5,924,9	63	Maresh & Stearns	07/20/99	
		5,938,5	70	Maresh	08/17/99	
		5,820,5	24	Chen	10/13/98	
		5,776.0	35	Chen	07/07/98	
		6.099.4	39	Rvan, et al	08/08/00	
		6.135.9	23	Stearns & Maresh	10/24/00	
+		6,142,9	15 59	Eschenbach Stearns	11/28/88	
		5,997.4	45	Maresh & Stearns Stearns & Maresh	12/07/99	
上		6,004,2	44	Simonson	12/21/99	
		5,820,5		Chen	10/13/98	
<del> </del>	<u> </u>	5,823,9		Chen	10/20/98	
-	ļ	5.823.9		Chen	10/20/98	
<del>-   ´</del>	ļ	5.830.1		Wang & Wu	11/03/98	
+-		5,857,9 6,022,2		Husted Yu	02/08/00	
<del>-  /-</del>	<del> </del>	5,876,3		Jarvie	03/02/99	
TE		5.895.3		Maresh	04/20/99	

				FORE	IGN PATENT DOCUMEN	TS				
				F	oreign Patent Do	cument	Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Examiner Initials	Cite No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T6		
								┼		
								+		
<u> </u>							· · · · · · · · · · · · · · · · · · ·	工		
								<u> </u>		
						- <del> </del>		┼		
		<del> </del>					<u> </u>	+-		
	<del> </del>	1		<del></del>				$\perp$		
<b></b>										

Examiner	12	Date /
Signature		Considered 2-6-04

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington DC 2023: DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Occuments. ⑤ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-95)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Complete If Known Substitute for form 1449A/PTO **Application Number** 09/740,445 INFORMATION DISCLOSURE Filing Date Dec 19, 2000 STATEMENT BY APPLICANT First Named Inventor John C. Rufino Group Art Unit 3764 (use as many sheets as necessary) Examiner Name Stephen R. Attorney Docket Number UN-9-A Sheet of

			U.S. PATENT DOC	UMENTS	
Examiner Initials	Cite No.¹	U.S. Patent Docume  Kind C  Number (# know	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
K		6,017,294	Eschenbach	01/25/00	
7		6,045,487	Miller	04/04/00	
		6,168,552 \$	Eschenbach	01/02/01	
		5,938,567	Rodgers, Jr.	08/17/99	
		6,135,927	Lo	10/24/00	
$\neg$		6,090,013	Eschenbach	07/18/00	
		5,911,649	Miller	06/15/99	
		6,042,512	Eschenbach	03/28/00	
		6.027.430	Stearns & Maresh	02/22/00	
		6-024-676	Eschenbach	02/15/00	
$\mp$		5,957,814	Eschenbach Eschenbach	09/28/99	· · · · · · · · · · · · · · · · · · ·
1		5,947,872	Ryan, et al	09/07/99	
_	<del>                                     </del>	5,924,962	Rodgers, Jr.	07/20/99	
$\dashv$	<u> </u>	5,921,894	Eschenbach	07/13/99	
_		5,899,833	Ryan, et al	05/04/99	
$\top$		6,027,431	Stearns & Maresh	02/22/00	
		5,876,307	Stearns & Maresh	03/02/99	
V		5,836,855	Eschenbach	11/17/98	
De		5,743,834	Rodgers, Jr.	04/28/98	

				FORE	GN PATENT DOCUMEN	TS		
		F	oreign Patent Do		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Examiner Initials	Cite No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	76
								+
			· · · · · · · · · · · · · · · · · · ·			<del>                                     </del>		╁
						-	<del></del>	+-
		1				<del>                                     </del>		$\top$
<del></del>		+						
<b></b>								1
								4
								1.

	T	,
Examiner	Date	
	Canadarad	11 -1 -114
Signature	Considered	1200

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>4</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (10-95)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office: O.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 4 of 5

Complete if Known					
Application Number	09/740.445				
Filing Date	Dec 19, 2000				
First Named Inventor	John C. Rufino				
Group Art Unit	3764				
Examiner Name	Stephen R. Crow				
Allomey Dockel Number	UN-9-A				

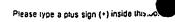
			U.S. PATENT DOCU	MENTS	
Examiner Initials	Cite No.1	U.S. Patent Document Kind Code Number (if known)	or clied bocoment	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines. Where Relevant Passages or Relevant Figures Appear
10		5,683,333	Rodgers, Jr.	11/04/97	
7		6,135,926	Lee	10/24/00	
		6,176,814 Bl	Ryan, et al	01/23/01	
		6,183,397 Bl	Stearns, et al	02/06/01	
		5,961,423	Sellers	10/05/99	
		5.989.159	Chen & Yu	11/23/99	
H		5.735.773 5.823.919	Vittone & Vittone Eschenbach	04/07/98	
$\vdash$		5,846,166	Kuo	12/08/98	
		5,865,712	Chang	02/02/99	
$\Box$		5.928.114	Chen	07/27/99	
H		5 967 944 6,019,710	Vittone & Vittone Dalebout & Mott	02/01/00	
		6,063,008	McBride & Lippitt	05/16/00	
	†	6,113,518	Maresh & Stearns	09/05/00	
		6.053.847	Stearns & Maresh	04/25/00	- <u></u>
		6.045.488	Eschenbach	04/04/00	
		6,077,196	Eschenbach	06/20/00	
V		6,196,948 Bl	Stearns & Maresh	03/06/01	
AY	$\overline{\mathcal{L}}$	6,007,462	Chen	12/28/99	

			FORE	IGN PATENT DOCUMEN	TS		
	Foreign Patent Document				Date of Publication of	Pages, Columns, Lines, Where Relevant	1 1
Cite No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code (if known)	Applicant of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear	76
							1
	<del>  </del>						
							1
<b>-</b>							1_
	1						
<del>                                     </del>							
	Cite No.¹	Cite	Cite	Cite Foreign Patent Document Kind Code	Cite Foreign Patent Document Name of Patentee or	Cite Kind Code Applicant of Cited Document Cited Document	Cite Foreign Patent Document Name of Patentee or Applicant of Cited Document Passages or Relevant

1	Examiner	11	Date	1. 1 ml
I	Signature	Mm	Considered	12-6-09

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 15 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.





Substitu	ite for form 1449A	<b>VPTO</b>		Complete if Known		
				Application Number	09/740,445	
INF	DRMATIC	ON DISC	CLOSURE	Filing Date	Dec 19, 2000	
STA	TEMENT	BY AF	PLICANT	First Named Inventor	John C. Rufino	
				Group Art Unit	3764	
	(use as many	sheets as i	necessary)	Examiner Name	Stephen R. Crow	
Sheet	5	lo	5	Attorney Docket Number	UN-9-A	

				U.S. PATENT DOCU	MENTS	
Examiner Initials	Cite No.'	Number (i	ind Code if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
N		5,860,895		Lee	01/19/99	
		6,080,086		Maresh & Stearns	06/27/00	
		6,077,198		Eschenbach	06/20/00	
De		5,916,064		Eschenbach	06/29/99	
						·
					<u> </u>	
					<del>                                     </del>	
	ļ			<b></b>	<del></del>	
	<u> </u>				<del></del>	
<b>—</b>	<del> </del>	<del> </del>			<del> </del>	
<u></u>					· <del> </del>	
		ļ				
<del></del>		-	-			
<del></del>	<del> </del>	<del>                                     </del>		<del>                                     </del>		
-	$\vdash$	<del> </del>		<del>                                     </del>		

				FORE	IGN PATENT DOCUMEN	TS		
Examiner Initials	<u> </u>	Foreign Patent Document		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant		
	Cite No.1	Office <sup>3</sup>	Number	King Code (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	7.
						<del> </del>	<del></del>	₩
		┼┼-				<del> </del>		+
	<del> </del>	<del>                                     </del>						
								$\perp$
	<u> </u>					<del></del>		+
<u> </u>		<del>                                     </del>	····			1		+
		† † † †						$oxed{\Box}$
<u> </u>	<u> </u>							丄

Examiner Signature	Alm	Date Considered	12-6	-64

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.